

ready executed upon this canal, considering the great amount of work in the market over the whole country, will satisfy any one in relation to the prices. And as for quantities, the evidence that they are not too great, we refer to the computation in detail, herewith furnished. We will mention, also, the process of survey. The line noted down in the 'location book,' and now recommended to the board, has been deduced from an instrumental examination of the ground, so extensive, upon a system of transverse levels and slopes, taken throughout the whole distance, not exceeding one hundred feet apart, as to leave but little doubt that, when the modifications there directed are made in the field, the line will be the best afforded by the surface on my plan of levels. Some slight modifications in detail may indeed be found advisable by the engineer of construction, but these, wherever necessary, he can readily make, by means of the transverse sections herewith furnished.

From these remarks, the board will see that the location is not one of judgment merely without calculation, and they can judge what confidence may be placed in the results.

I wish not to be misunderstood. I will, therefore, repeat that, had time permitted, we would have again gone over the whole ground, for the purpose of a nicer adjustment to its surface, which the information we now have from our traverse sections would have enabled us, in a comparatively short time, to make. As it is, the engineer of construction must do this, for which purpose, each should be furnished with copies of such portions of the "location-book," &c., as may be under his immediate charge.

In this is manifest the superiority of the method of location adopted in this survey. For it is a gradual operation, every step of which is onwards; and if, at any part of the process, as in the present case, we stop short of the end, we leave all of the information thus far acquired, in such form that it can be transferred to any one who may succeed us, 'without his being compelled to go over the same ground again. We feel satisfied, however, as has been already said, that the location now recommended to the board is complete, except so far as slight changes may be made, on the side of economy, to be ascertained upon